

GILA RIVER BASIN

09496500 CARRIZO CREEK NEAR SHOW LOW, AZ

LOCATION--Lat 33°59'09", long 110°16'49", in sec. 24, T.7 N., R.19 E. (unsurveyed), Gila County, Hydrologic Unit 15060104, in Fort Apache Indian Reservation, on right bank 500 ft upstream from bridge on U.S. Highway 60, 1 mi downstream from Corduroy Creek, 23 mi southwest of Show Low, and 24 mi upstream from mouth.

DRAINAGE AREA--439 mi².

PERIOD OF RECORD--June 1951 to June 1961, June 1967 to June 1976, Oct. 1975 to June 1976 (monthly discharges only), Apr. 1977 to current year.

REVISED RECORDS--WRD Ariz. 1968: Drainage area.

GAGE--Water-stage recorder. Datum of gage is 4,749.52 ft above sea level. Prior to June 1976 at site on bridge pier 400 ft downstream at same datum.

REMARKS--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation above station of less than 300 acres. Records include transbasin diversion from Show Low Creek into headwaters of Carrizo Creek. (See sta 09495000.)

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 20,500 ft³/s Jan. 18, 1952, gage height, 12.08 ft, at site then in use, from rating curve extended above 2,000 ft³/s on basis of slope-area measurement of peak flow; maximum gage height, 15.1 ft Dec. 18, 1978, from highwater mark; minimum daily discharge, no flow, estimated, June 17, 2002.

EXTREMES OUTSIDE PERIOD OF RECORD--Maximum discharge since at least 1951, about 23,000 ft³/s Dec. 30, 1965, gage height, 13.0 ft, from floodmark at previous site, from rating curve extended above 2,000 ft³/s on basis of slope-area measurement at gage height 12.08 ft.

EXTREMES FOR CURRENT YEAR--Peak discharges greater than base discharge of 1,000 ft³/s and (or) maximum (*):

	Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
	Nov 12	1810	1,110	4.76	Aug. 5		1,620	5.58
	July 14	1805	*3,230	*7.47	Aug. 15		2,320	6.49
	July 16	0000	1,220	4.96	Sept. 4		1,430	5.29
	July 26	1955	1,250	5.00	Sept. 19		1,000	4.57

Minimum daily discharge, 0.19 ft³/s, July 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	3.7	5.0	5.4	6.9	e7.8	6.2	4.9	1.2	0.63	5.1	2.2
2	3.0	4.1	5.0	5.3	6.5	e8.2	9.1	4.8	1.0	0.64	3.1	2.2
3	21	21	5.1	5.4	7.3	e8.2	9.3	4.6	0.91	0.58	2.8	50
4	9.9	6.3	5.1	5.5	8.1	e8.8	9.4	4.4	0.77	0.45	2.4	e264
5	4.9	5.4	5.1	5.1	7.9	e11	10	4.1	0.66	0.25	142	e21
6	4.1	5.1	5.2	5.1	7.4	e10	8.4	3.9	0.66	0.23	e46	e4.6
7	4.9	5.1	5.3	5.3	7.2	e11	7.9	3.8	0.67	0.22	5.4	e4.1
8	7.0	5.1	13	5.3	7.2	e11	8.1	3.7	0.66	0.19	3.5	e3.9
9	5.0	5.0	9.5	5.2	7.1	12	7.3	3.4	0.86	0.27	2.7	3.3
10	4.9	5.1	6.3	5.3	7.1	15	8.4	3.3	0.59	0.45	4.1	2.9
11	4.4	5.6	6.0	5.4	7.1	13	8.8	3.1	0.70	0.53	2.3	2.7
12	3.9	211	7.1	5.5	7.0	11	7.7	3.0	0.72	0.74	1.9	2.4
13	3.7	386	6.1	5.4	6.9	11	6.9	3.0	0.66	0.72	59	2.2
14	3.4	e45	5.9	5.3	7.0	38	6.5	3.0	0.59	247	e15	2.1
15	3.4	e20	5.7	5.8	7.1	22	6.2	2.8	0.55	102	257	2.0
16	3.4	e13	5.4	5.9	7.1	14	6.0	2.6	0.51	147	e43	2.0
17	3.4	e11	5.2	5.8	7.2	10	5.9	2.5	0.49	11	14	1.8
18	3.4	e10	5.0	5.4	7.4	8.8	5.7	2.5	0.44	7.1	6.7	4.9
19	3.3	e9.2	5.1	5.5	7.9	8.2	5.8	2.3	0.37	30	8.4	161
20	3.2	e7.5	5.2	5.7	8.0	7.4	5.8	2.1	0.32	e2.8	5.5	e44
21	3.1	6.8	5.1	6.5	8.1	6.9	5.8	2.1	0.29	e2.7	55	7.1
22	3.1	6.5	5.0	7.0	8.3	6.6	5.6	2.0	0.34	2.9	e21	4.6
23	3.2	6.0	5.1	6.3	e10	6.7	5.7	2.0	0.43	2.4	e6.0	3.9
24	3.1	5.8	5.2	6.2	e10	6.4	6.1	2.0	0.57	3.4	e4.7	3.5
25	3.1	5.7	5.3	7.6	e8.7	6.0	5.5	1.9	0.58	3.8	4.4	6.4
26	3.0	5.4	6.3	7.4	e8.2	6.0	5.3	2.0	0.50	127	3.7	3.8
27	3.4	5.2	5.8	6.4	e9.0	6.0	5.2	1.9	0.50	e55	3.2	3.3
28	3.6	5.1	4.9	6.4	e10	5.7	5.0	1.7	0.70	28	2.9	2.9
29	3.6	5.1	5.1	6.3	e8.8	5.6	4.8	1.6	0.78	24	2.7	10
30	3.6	5.2	5.3	6.3	---	5.9	5.0	1.5	0.80	6.4	2.4	5.3
31	3.6	---	5.2	6.5	---	6.0	---	1.4	---	5.5	2.2	---
TOTAL	139.7	841.0	179.6	181.5	226.5	314.2	203.4	87.9	18.82	813.90	738.1	634.1
MEAN	4.51	28.0	5.79	5.85	7.81	10.1	6.78	2.84	0.63	26.3	23.8	21.1
MAX	21	386	13	7.6	10	38	10	4.9	1.2	247	257	264
MIN	3.0	3.7	4.9	5.1	6.5	5.6	4.8	1.4	0.29	0.19	1.9	1.8
AC-FT	277	1670	356	360	449	623	403	174	37	1610	1460	1260
CFSM	0.01	0.06	0.01	0.01	0.02	0.02	0.02	0.01	0.00	0.06	0.05	0.05
IN.	0.01	0.07	0.02	0.02	0.03	0.03	0.02	0.01	0.00	0.07	0.06	0.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2004, BY WATER YEAR (WY)

	MEAN	20.7	63.8	84.4	109	133	44.2	17.8	11.0	13.2	19.4	11.5
(WY)	1973	1960	1979	1993	1980	1978	1973	1973	1973	1973	1973	2003
MIN	1.63	2.53	3.86	4.94	5.13	4.81	4.31	1.75	0.30	1.35	2.96	0.91
(WY)	1957	1957	2003	2002	2002	2002	2002	2002	2002	1971	1997	1956

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR

	ANNUAL TOTAL	9789.48	4378.72									
ANNUAL MEAN		26.8	12.0									
HIGHEST ANNUAL MEAN										201	1979	
LOWEST ANNUAL MEAN										5.22	2000	
HIGHEST DAILY MEAN		541	Mar 17		386	Nov 13			10900	Dec 18	1978	
LOWEST DAILY MEAN		0.49	Jul 10		0.19	Jul 8			0.00	Jun 17	2002	
ANNUAL SEVEN-DAY MINIMUM		0.54	Jul 4		0.29	Jul 4			0.09	Jun 23	2002	
ANNUAL RUNOFF (AC-FT)		19420			8690				33960			
ANNUAL RUNOFF (CFSM)		0.061			0.027				0.107			
ANNUAL RUNOFF (INCHES)		0.83			0.37				1.45			
10 PERCENT EXCEEDS		73			11				66			
50 PERCENT EXCEEDS		5.2			5.3				9.8			
90 PERCENT EXCEEDS		2.3			0.76				2.6			

e Estimated